

Product Datasheet

CL097 (orb1303677)

| | |
|--------------------------|--|
| Catalog Number | orb1303677 |
| Category | Small Molecules |
| Description | CL097 is a potent dual agonist of TLR7 and TLR8, known to trigger pro-inflammatory cytokine release and prime NADPH oxidase in macrophages. This priming enhances fMLF-stimulated reactive oxygen species (ROS) production, making it a valuable tool for studying innate immune responses, inflammation, and oxidative burst mechanisms in both cellular and animal models. |
| Target | TLR,Reactive Oxygen Species,ROS |
| Purity | 99.57% (May vary between batches) |
| MW | 242.28 |
| Target Areas | Reactive Oxygen Species ROS TLR |
| Solubility (25°C) | 10% DMSO+40% PEG300+5% Tween 80+45% Saline:3.3 mg/mL (13.62 mM);DMSO:95 mg/mL (392.11 mM) |
| CAS Number | 1026249-18-2 |
| Formula | C ₁₃ H ₁₄ N ₄ O |
| SMILES | CCOCc1nc2c([nH]1)c(N)nc1cccc21 |
| Storage | -20°C |
| Note | For research use only |
| Expiration Date | 12 months from date of receipt. |

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558